ANNUAL REPORT

OF THE

Department of Public Works

OF THE

PROVINCE OF ALBERTA

1939-40

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

EDMONTON:
PRINTED BY A. SHNITKA, KING'S PRINTER
1940

Edmonton, June 26, 1940.

To His Honour,
J. C. Bowen,
Lieutenant Governor of the Province of Alberta.

Sir:

The undersigned has the honour to submit herewith, the report of the Department of Public Works for the year ended March 31st, 1940.

Respectfully submitted,

W. A. Fallow,
Minister of Public Works.

CONTENTS

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

For the Fiscal Year Ended March 31st, 1940

HON. W. A. FALLOW,
Minister of Public Works.

SIR:

I have the honour to submit herewith report covering the activities of the Department of Public Works for the fiscal year ended March 31st, 1940.

HIGHWAYS, BRIDGES AND SURVEYS

The mileage of main highways maintained during the year was 3,855 miles, being approximately the same as the previous year. The sum of $537,380.74 was expended for construction and maintenance of District Highways and Local Roads, being an increase of $131,555.53 over last year.

An extensive programme was carried out by the Main Highways Construction Branch, including 99.81 miles of bituminous surface treatment and 224 miles of seal coating existing bituminous road surfaces. Further progress was made in eliminating railway grade level crossings on main highways under agreement with the Board of Transport Commissioners for Canada.

The work of the Bridge Branch included erection of steel and timber bridges and culverts on main highways. All steel bridges were fabricated within the Province. Forty steel bridges and 250 timber bridges were constructed and 236 bridges were repaired, making a total of 526 bridges dealt with during the year.

The report of the Director of Surveys shows a slight decrease in the number of surveys carried forward to the ensuing year and a small reduction in plans submitted by Municipal Districts.

BUILDINGS

All public buildings and institutions were repaired and maintained in order to keep them up to standard requirements.

A substantial construction programme was carried out, which included remodelling and renovation of the Kelly-Ramsey Building to convert the building for Government use. This building is now known as the Provincial Building, Edmonton.

Details of maintenance, alterations and additions, and construction of buildings are contained in the report of the Superintendent of Buildings.

MECHANICAL BRANCH

The Boilers, Factories and Electrical Protection Acts as well as operation of the Provincially owned Power Plants are under the jurisdiction of the above Branch, and these activities are covered by the report of the Mechanical Superintendent.

Highway Traffic Board

The Public Service Vehicles Act, 1936, is administered by the above Board. Increase in mileage covered by Public Service Vehicles over the mileage of the previous fiscal year is reported.

Provincial Gaols

Reports on these institutions show an average daily population for the year of approximately 455 prisoners, compared with 443 the previous year. The average net cost per prisoner for the period is lower than last year.

Respectfully submitted,

G. H. N. Monkman,
Deputy Minister.

MAIN HIGHWAYS MAINTENANCE DISTRICT HIGHWAYS AND LOCAL ROADS FERRIES, OPERATION, MAINTENANCE AND REPLACEMENTS

(E. D. ROBERTSON, *Superintendent of Maintenance*)

Detailed information covering the expenditure for the fiscal year 1939-40 is contained in the following statements submitted with this report:

1. Statement showing expenditure on maintenance and reconstruction of main highways. The total mileage of this class of highway is 3,854.86 miles. Expenditures as shown by the statement amounted to $792,821.81.
2. A statement showing the distribution from both capital and income accounts of expenditure on the maintenance and construction of district highways and local roads. A total expenditure of $537,380.74 was made in this way, which was approximately $131,655.53 more than last year.
3. A statement showing in detail the expenditure made in connection with the operation, maintenance and reconstruction of ferries from income account. There were 57 ferries in operation during the season at a total cost of $111,650.06.

EXPENDITURE FOR MAINTENANCE OF MAIN HIGHWAYS

For the Year ended March 31st, 1940

Location.	Miles.	Amount.
Edmonton to Calgary:		
Calgary to Didsbury	42.10	$ 18,901.76
Didsbury to Millet	110.06	43,062.25
Millet to Edmonton	28.14	10,394.00
Calgary to Banff Park Boundary	70.28	16,565.24
Calgary to Medicine Hat:		
Calgary to Bassano	84.56	27,792.48
Bassano to Medicine Hat	104.49	16,734.78
Calgary to United States Boundary:		
Calgary to Nanton	51.84	19,983.62
Nanton to Carway	105.80	10,091.95
Walsh to Crows Nest:		
Walsh to Grassy Lake	80.89	9,256.61
Grassy Lake to Crows Nest	158.70	48,268.08
Lethbridge to Coutts	72.32	12,367.06
Wetaskiwin to Hayter:		
Wetaskiwin to Camrose	26.00	7,436.51
Camrose to Hayter	146.34	17,877.09
Edmonton to Lloydminster:		
Edmonton to Chipman	40.20	6,314.18
Chipman to Lloydminster	139.60	24,210.66
Edmonton to Jasper Park:		
Edmonton to Edson	126.68	25,067.12
Edson to Jasper Park	72.85	10,426.60
Edmonton to Smith	139.81	28,009.49
Smith to Peace River:		
Smith to Springburn	180.00	23,112.43
Springburn to Peace River	24.00	2,990.49
North of Red Deer to Park Gate:		
Red Deer to Rocky Mountain House	51.30	9,365.46
Rocky Mountain House to Park Gates	58.00	3,951.02
Pincher to Waterton	32.28	5,070.19
Kipp to High River:		
Kipp to Carmangay	26.68	4,597.33
Carmangay to High River	63.44	11,593.97
Clyde to Barrhead	31.30	3,994.58
Black Diamond to Little Chicago	9.80	6,329.00
Bentley to Sylvan Lake	11.10	1,363.04
Road to River Airport	2.08	.....
Cardston to Waterton	24.81	2,751.77

Location.	Miles.	Amount.
Lethbridge to Cardston	53.22	10,716.19
Lethbridge to Picture Butte-Iron Springs	24.49	4,456.66
Hanna to Viking:		
Hanna to Battle River	63.00	7,251.02
Battle River to Viking	56.00	3,211.32
Inverlake to Alsask:		
Inverlake to S.E. Corner 16-28-21-4	57.40	14,689.67
S.E. Corner 16-28-21-4 to Alsask	148.63	16,438.78
Lacombe to Compeer:		
Lacombe to Nevis	36.00	10,305.29
Nevis to Coronation	73.88	8,874.63
Coronation to Compeer	81.14	5,643.91
Drumheller to Wayne	7.70	1,199.14
Carbon South and West	16.65	1,308.39
Okotoks to Turner Valley	15.44	4,305.80
Corner North Vulcan to Cheadle	43.60	6,775.72
Midnapore to Turner Valley	28.28	6,621.87
Beiseker to Nevis:		
Beiseker to Twining	26.20	3,458.18
Twining to Nevis	60.71	8,243.74
Calgary to Bowness Park	4.72	539.33
Edmonton to Saskatchewan Boundary:		
Edmonton to Wainwright	133.03	21,024.41
Wainwright to Saskatchewan Boundary	48.00	2,437.34
Edmonton to Elk Island Park	36.42	7,339.77
South Cooking Lake Highway-Airport	1.30	83.50
Olds to Sundre	24.24	2,867.65
Lacombe to Rimbey	30.17	4,280.32
Wetaskiwin to Pigeon Lake	28.22	4,931.23
Duvernay to Cold Lake	114.00	12,129.79
Carvel to Whitecourt	96.00	5,667.80
Jasper Highway to Seba Beach	2.13	202.70
Jasper Highway to Edmonton Beach	2.32	493.69
Jasper Highway to Kapasiwin Beach	2.48	617.32
Alberta Beach Highway	6.45	1,023.56
Jasper Highway to Country Club	2.30	381.26
Jasper Highway to Macleod River	9.31	376.91
Edmonton to Gibbons	22.98	2,429.17
High Prairie to Sturgeon Lake	48.00	3,630.52
Grande Prairie to Pouce Coupe	64.00	11,055.98
Peace River to Grande Prairie:		
Peace River to Dunvegan	76.00	10,426.96
Dunvegan to Grande Prairie	61.00	8,068.13
Sturgeon Lake to Grande Prairie	59.00	5,471.87
Grimshaw to Battle River	75.00	12,914.11
General (including Salaries)	.....	46,593.07
Add: Reconstruction Expenditures by Construction Branch from Maintenance Funds (Apprn. 706BH) (Mileage included above):		
Calgary to Didsbury	.....	2,319.75
Didsbury to Millet	.....	4,521.32
Millet to Edmonton	.....	883.51
Calgary to Nanton	.....	2,117.54
Nanton to Carway	.....	1,793.01
Grassy Lake to Crows Nest	.....	1,451.49
Wetaskiwin to Camrose	.....	18,897.46
Chipman to Lloydminster	.....	6,291.75
Edmonton to Edson	.....	3,135.42
Edmonton to Smith	.....	34,817.24
Red Deer to Rocky Mountain House	.....	1,106.54
Pincher to Waterton	.....	338.04
Kipp to Carmangay	.....	1,677.92
Clyde to Barrhead	.....	823.62
Black Diamond to Little Chicago	.....	375.33
Jasper Highway-Country Club	.....	3,370.36
Road to River Airport	.....	2,536.05
Total Expenditure (Apprn. 706B)	3,854.86	$792,821.81

EXPENDITURE ON MAINTENANCE AND CONSTRUCTION OF DISTRICT HIGHWAYS AND LOCAL ROADS

For the Year ended March 31st, 1940

I.D. or M.D. No.		Income	Capital	Total
I.D.	1	$ 545.94	$ 490.86	$ 1,036.80
I.D.	2	99.80	791.18	890.98
I.D.	3	80.32	49.50	129.82
I.D.	4	23.52	110.85	134.37
I.D.	5	1,886.15	375.67	2,261.82
I.D.	6	383.85	893.14	1,276.99
I.D.	7	224.96	457.03	681.99
I.D.	8	143.69	115.42	259.11
I.D.	9	530.96	361.56	892.52
M.D.	10	1,194.77	.....	1,194.77
I.D.	31	61.21	45.44	106.65
I.D.	32	526.76	1,417.71	1,944.47

I.D. or M.D. No.		Income	Capital	Total
M.D.	33	$ 668.63	.....	$ 668.63
M.D.	34	3,217.40	.....	3,217.40
I.D.	35	227.76	$ 755.43	983.19
M.D.	36	292.99	.....	292.99
M.D.	37	.....	3,723.75	3,723.75
I.D.	38	262.90	613.02	875.92
M.D.	40	169.61	.....	169.61
I.D.	61	743.23	814.21	1,557.44
I.D.	62	2,024.39	787.13	2,811.52
I.D.	63	712.14	1,246.04	1,958.18
M.D.	64	4,306.14	.....	4,306.14
M.D.	65	1,633.21	.....	1,633.21
I.D.	66	317.51	437.54	755.05
I.D.	67	1,177.36	3,660.74	4,838.10
I.D.	68	797.23	1,647.67	2,444.90
I.D.	71	3,940.25	19.50	3,959.75
I.D.	91	2,810.21	2,217.40	5,027.61
I.D.	92	633.56	2,247.48	2,881.04
I.D.	93	.....	568.45	568.45
M.D.	94	1,240.57	600.00	1,840.57
I.D.	97	1,797.35	5,765.47	7,562.82
M.D.	98	1,907.98	.....	1,907.98
M.D.	99	189.40	.....	189.40
I.D.	100	498.08	2,956.81	3,454.89
I.D.	101	11.46	17.59	29.05
I.D.	123	4,931.82	5,880.66	10,812.48
I.D.	125	2,243.91	2,390.80	4,634.71
I.D.	128	5.75	.....	5.75
M.D.	129	182.45	.....	182.45
I.D.	130	310.76	2,730.62	3,041.38
I.D.	131	29.81	1,055.35	1,085.16
M.D.	157	177.95	.....	177.95
M.D.	158	249.91	.....	249.91
I.D.	160	36.00	.....	36.00
M.D.	189	1,812.71	.....	1,812.71
M.D.	191	500.00	.....	500.00
I.D.	217	1,527.20	1,208.34	2,735.54
I.D.	219	40.69	.....	40.69
I.D.	221	84.96	.....	84.96
I.D.	222	1,572.32	44.09	1,616.41
M.D.	241	1,917.44	.....	1,917.44
M.D.	247	1,587.30	2,106.90	3,694.20
M.D.	248	1,231.93	.....	1,231.93
I.D.	251	2,859.11	2,906.76	5,765.87
I.D.	252	1,332.41	611.93	1,944.34
I.D.	276	6,873.60	3,094.80	9,968.40
I.D.	277	3.20	.....	3.20
M.D.	278	1,156.20	.....	1,156.20
M.D.	279	940.72	.....	940.72
M.D.	280	644.54	.....	644.54
M.D.	281	344.08	.....	344.08
I.D.	282	2,583.31	821.12	3,404.43
I.D.	286	135.00	.....	135.00
M.D.	306	1,521.15	.....	1,521.15
M.D.	307	.....	3,500.00	3,500.00
M.D.	309	1,309.97	.....	1,309.97
M.D.	310	2,772.55	500.00	3,272.55
M.D.	311	1,573.64	.....	1,573.64
M.D.	334	2,783.08	.....	2,783.08
M.D.	337	715.59	.....	715.59
M.D.	341	874.30	.....	874.30
M.D.	342	2,522.51	.....	2,522.51
M.D.	343	600.91	.....	600.91
I.D.	344	238.33	310.35	548.68
M.D.	361	2,250.24	.....	2,250.24
M.D.	362	1,363.19	.....	1,363.19
M.D.	363	1,900.00	.....	1,900.00
M.D.	364	1,770.46	.....	1,770.46
M.D.	365	2,418.93	.....	2,418.93
M.D.	366	1,631.86	.....	1,631.86
M.D.	367	584.11	.....	584.11
M.D.	371	1,000.00	.....	1,000.00
I.D.	376	21.60	.....	21.60
I.D.	393	1,200.00	.....	1,200.00
M.D.	395	1,582.47	.....	1,582.47
M.D.	396	702.48	.....	702.48
M.D.	397	1,537.41	.....	1,537.41
M.D.	398	2,500.00	.....	2,500.00
M.D.	399	1,000.00	.....	1,000.00
M.D.	400	1,000.00	.....	1,000.00
I.D.	403	449.63	300.32	749.95
M.D.	421	1,144.83	.....	1,144.83
M.D.	422	67.35	3,610.59	3,677.94
M.D.	424	1,567.77	.....	1,567.77
M.D.	427	2,025.78	.....	2,025.78
M.D.	428	.....	1,920.00	1,920.00
M.D.	429	1,005.11	.....	1,005.11

I.D. or M.D. No.	Income	Capital	Total
M.D. 431	$ 85.29		$ 85.29
I.D. 432	547.75	$ 434.02	981.77
I.D. 434	405.60	44.18	449.78
I.D. 435	19.50		19.50
M.D. 451	1,379.48		1,379.48
M.D. 453	1,044.03		1,044.03
M.D. 454	1,384.51		1,384.51
M.D. 455	2,025.55		2,025.55
M.D. 457		3,000.00	3,000.00
M.D. 458	2,192.00		2,192.00
M.D. 459	1,426.02		1,426.02
M.D. 460	2,338.44	1,073.54	3,411.98
I.D. 461	2,071.90	1,314.68	3,386.58
I.D. 462	707.02	291.29	998.31
I.D. 466	88.35		88.35
M.D. 481	2,258.00		2,258.00
M.D. 482	2,290.90		2,290.90
M.D. 483	1,417.30		1,417.30
M.D. 484	604.05		604.05
M.D. 487	391.22		391.22
M.D. 469	3,000.00		3,000.00
M.D. 490	1,862.79		1,862.79
I.D. 491	4,356.48	1,422.32	5,778.80
I.D. 493	38.50	89.49	127.99
M.D. 511	2,973.27		2,973.27
M.D. 512	2,092.80		2,092.80
M.D. 513	860.32		860.32
M.D. 514	1,719.39		1,719.39
M.D. 515	1,244.56		1,244.56
M.D. 516	1,221.33		1,221.33
M.D. 518	350.00		350.00
M.D. 519		450.00	450.00
M.D. 521	2,920.57		2,920.57
I.D. 522	2,414.63	2,572.57	4,987.20
I.D. 523	133.44	112.01	245.45
I.D. 524	37.16	29.69	66.85
I.D. 525	20.00		20.00
I.D. 526	16.00		16.00
I.D. 527		12.85	12.85
I.D. 541	1,347.67	446.79	1,794.46
M.D. 542	1,302.62		1,302.62
M.D. 543	984.60		984.60
M.D. 544	2,802.43		2,802.43
M.D. 545	2,630.65		2,630.65
M.D. 546	1,500.72		1,500.72
M.D. 550	985.20		985.20
M.D. 551	1,587.53		1,587.53
M.D. 552	2,665.78		2,665.78
I.D. 553	1,270.33	941.50	2,211.83
I.D. 554	1,734.53	845.17	2,579.70
I.D. 555	1,124.20	516.97	1,641.17
I.D. 556	151.10	47.65	198.75
I.D. 571	102.70	81.38	184.08
M.D. 572	1,764.57		1,764.57
M.D. 573	2,450.71	104.00	2,554.71
M.D. 574	2,101.23		2,101.23
M.D. 575	564.23		564.23
M.D. 576	2,161.98		2,161.98
M.D. 577	1,990.04		1,990.04
M.D. 579	3,588.96		3,588.96
M.D. 580	2,289.18		2,289.18
M.D. 581	1,659.18		1,659.18
M.D. 582	2,386.10		2,386.10
I.D. 583	1,612.29	816.31	2,428.60
I.D. 584	2,954.70	364.61	3,319.31
I.D. 601	2,175.34	1,144.56	3,319.90
I.D. 602	2,313.49	576.32	2,889.81
I.D. 603	1,810.19	615.22	2,425.41
I.D. 604	1,007.83	2,223.48	3,231.31
M.D. 605	3,353.13	96.52	3,449.65
I.D. 606	167.30	55.20	222.50
I.D. 607	1,612.13	1,516.01	3,128.14
M.D. 608	1,263.68		1,263.68
M.D. 609	2,484.15		2,484.15
M.D. 610	201.03		201.03
I.D. 611	2,030.35	1,374.89	3,405.24
I.D. 612	868.06	397.19	1,265.25
I.D. 613	39.42	169.99	209.41
I.D. 614		8.16	8.16
I.D. 615	124:88	55.82	180.70
I.D. 631	664.92	243.46	908.38
I.D. 634	124.22	154.45	278.67
I.D. 635	4,265.91	1,552.03	5,817.94
I.D. 636	1,695.02	560.79	2,255.81
I.D. 637	154.76		154.76
M.D. 638	1,808.10		1,808.10
I.D. 639	958.54	1,113.52	2,072.06
I.D. 640	837.33	851.57	1,688.90
I.D. 641	1,555.75	908.42	2,464.17
I.D. 642	10.00		10.00

I.D. or M.D. No.		Income	Capital	Total
I.D.	664	$ 22.34	$ 5.17	$ 27.51
I.D.	665	1,751.08	783.05	2,534.13
I.D.	666	1,518.24	850.24	2,368.48
I.D.	667	2,195.52	2,130.70	4,326.22
M.D.	668	418.32		418.32
I.D.	669	583.15	591.08	1,174.23
I.D.	670	50.00	.22	50.22
I.D.	677	6.50		6.50
I.D.	695	822.98	359.44	1,182.42
I.D.	696	360.49	304.50	664.99
I.D.	697	2,640.75	2,302.66	4,943.41
I.D.	698	222.38	4.40	226.78
I.D.	699	846.91	910.20	1,757.11
I.D.	706	241.27	310.05	551.32
I.D.	707	10.00	207.50	217.50
I.D.	708	27.20		27.20
I.D.	709	812.85	882.31	1,695.16
I.D.	710	316.20		316.20
I.D.	723	9.00		9.00
I.D.	726	481.70	573.58	1,055.28
I.D.	727	1,324.01	84.34	1,408.35
I.D.	728	166.22	44.34	210.56
I.D.	729		107.29	107.29
I.D.	731	62.80	25.20	88.00
I.D.	732	147.68		147.68
I.D.	733	.39	3.00	3.39
I.D.	734	33.60		33.60
I.D.	735	403.40	36.00	439.40
I.D.	736	34.00	456.85	490.85
I.D.	737	22.20	400.30	422.50
I.D.	738	326.56	473.81	800.37
M.D.	739	1,311.84	135.20	1,447.04
M.D.	740	1,487.60		1,487.60
I.D.	741	804.04	301.73	1,105.77
I.D.	742	380.31	2,516.80	2,897.11
I.D.	764	1,552.96	458.37	2,011.33
I.D.	765	2,523.40	2,201.83	4,725.23
I.D.	766	1,270.38	426.80	1,697.18
I.D.	769	252.61	42.33	294.94
I.D.	770	1,713.57	104.99	1,818.56
I.D.	771	935.96	494.10	1,430.06
I.D.	772	919.32	350.42	1,269.74
I.D.	790	27.20		27.20
I.D.	794	261.49	587.19	848.68
I.D.	795	95.50	101.34	196.84
I.D.	796	3,976.72	6,371.63	10,348.35
I.D.	797	916.48	1,185.86	2,102.34
I.D.	800	363.73	118.10	481.83
I.D.	801	43.97	643.11	687.08
I.D.	819	445.60		445.60
I.D.	825	786.70	953.08	1,739.78
I.D.	826	668.07	608.68	1,276.75
I.D.	827	5.60	30.82	36.42
I.D.	828	566.66	1,704.47	2,271.13
I.D.	829	651.61		651.61
I.D.	830	2,108.47	62.31	2,170.78
I.D.	831	3,815.69	1,535.85	5,351.54
I.D.	843	517.75	734.08	1,251.83
I.D.	855	930.82	649.60	1,580.42
M.D.	857	1,579.75		1,579.75
M.D.	858	2,998.68		2,998.68
I.D.	859	2,932.08	977.89	3,909.97
I.D.	861	21.40	49.00	70.40
I.D.	875	16.50		16.50
I.D.	886	1,333.61	1,106.09	2,439.70
I.D.	887	2,032.95	742.63	2,775.58
I.D.	888	842.20	369.19	1,211.39
I.D.	889	1,156.26	3,293.71	4,449.97
I.D.	890		895.31	895.31
I.D.	891	593.61	278.82	872.43
I.D.	916	157.70	33.41	191.11
I.D.	917	1,367.51	151.40	1,518.91
I.D.	919		93.51	93.51
I.D.	920	2,062.44	1,818.85	3,881.29
I.D.	921	116.40	27.59	143.99
I.D.	945		34.72	34.72
I.D.	946	2,236.21	1,280.63	3,516.84
I.D.	947	27.00	49.90	76.90
I.D.	977	172.32	39.89	212.21
I.D.	978		52.89	52.89
I.D.	1038	8.40	31.00	39.40
I.D.	1065		53.39	53.39
I.D.	1094	50.73	140.30	191.03
I.D.	1124	90.22	71.01	161.23
I.D.	1125		7.66	7.66
Appropriation to Indian Reserves		7,996.32	3,632.49	11,628.81
Sub-total		$312,392.61	$144,204.04	$456,596.65

Special Appropriations:	Income	Capital	Total
Town of Beverly		$ 980.98	$ 980.98
Wainwright-Saskatchewan Boundary		7,758.93	7,758.93
Grande-Prairie-Pouce Coupe		1,688.40	1,688.40
Dunvegan-Grande Prairie		15,445.21	15,445.21
Lethbridge-Cardston		2,033.92	2,033.92
Edmonton-Gibbons		13,141.00	13,141.00
Peace River-St. John		1,966.32	1,966.32
Rifle Range Road-Winterburn-2.52 Miles South		1,616.99	1,616.99
Ponoka Institute Road		2,909.61	2,909.61
General (including Salaries)	$ 21,089.08	12,153.65	33,242.73
Total	$333,481.69	$203,899.05	$537,380.74

SUMMARY

Income Account:		
Appropriation 707B (including S.W. 20/39-40)	$333,481.69	
Capital Account:		
Appropriation 771B (including S.W. 20/39-40)	203,899.05	
		$537,380.74

EXPENDITURE ON OPERATION, MAINTENANCE AND REPLACEMENT OF FERRIES
For the Year ended March 31, 1940

Location	River	Operation and Maintenance	Replacements and Installation	Total
Desjarlais	North Saskatchewan	$ 2,779.83	$ 250.67	$ 3,030.50
Holmes Crossing	Athabasca	1,900.18		1,900.18
Dorothy	Red Deer	1,335.43	291.64	1,627.07
Pakan	North Saskatchewan	3,384.20	187.12	3,571.32
Garrington	Red Deer	2,095.49		2,095.49
North of Lloydminster (50% Cost of Operation and Maintenance)	North Saskatchewan	521.85		521.85
Athabasca	Athabasca	2,438.47	26.15	2,464.62
Letts Crossing	Pembina	921.90		921.90
Shandro	North Saskatchewan	2,012.46	903.83	2,916.29
Hopkins	North Saskatchewan	1,137.90		1,137.90
Hutton	Red Deer	1,047.43	175.03	1,222.46
Rocky Mountain House	North Saskatchewan	2,043.69		2,043.69
Lac Ste Anne	Narrows	859.88	100.00	959.88
Lea Park	North Saskatchewan	1,557.90	434.13	1,992.03
Eldorena	North Saskatchewan	1,428.72		1,428.72
Sangudo	Pembina	1,106.93	246.28	1,353.21
South of Holborn	North Saskatchewan	804.09		804.09
Dunvegan	Peace	2,799.25	111.28	2,910.53
Bow Island	South Saskatchewan	1,149.95	452.84	1,602.79
North of Myrnam	North Saskatchewan	1,636.45		1,636.45
Genesee	North Saskatchewan	801.26		801.26
Steveville	Red Deer	2,266.75		2,266.75
Goodwin Crossing	Smoky	2,151.73		2,151.73
Bredin Crossing	Bow	921.20	105.60	1,026.80
West of Munson	Red Deer	1,960.95	519.51	2,480.46
Berrymoor	North Saskatchewan	1,363.60		1,363.60
Finnegan	Red Deer	1,072.63		1,072.63
Lindbergh	North Saskatchewan	869.35		869.35
Allendale Crossing	Macleod	772.08	1,639.60	2,411.68
Vinca Crossing	North Saskatchewan	1,061.20	1,008.63	2,069.83
McLeod Valley	Macleod	1,686.36		1,686.36
North of Jenner	Red Deer	1,316.20	1,779.00	3,095.20
Gregory Crossing	Red Deer	1,023.14		1,023.14
Elk Point	North Saskatchewan	2,081.66	612.33	2,693.99
West of Morrin	Red Deer	1,837.36	80.12	1,917.48
Smith	Athabasca	1,825.50	512.83	2,338.33
South of Grande Prairie	Wapita	1,051.98	326.12	1,378.10
Klondyke Crossing	Athabasca	998.89	22.85	1,021.74
Flatbush	Pembina	801.92		801.92
South of Wembley	Wapita	925.18	331.53	1,256.71
East Coulee	Red Deer	1,865.35	43.53	1,908.88
West of Fawcett	Pembina	1,355.88		1,355.88
South of Crowfoot	Bow	1,051.01	100.50	1,151.51
South of Fawcett	Pembina	884.81		884.81
Waskatenau	North Saskatchewan	1,490.62	1,152.03	2,642.65
Blue Ridge	Athabasca	1,008.81	2,425.88	3,434.69
Mahaska	Macleod	902.79	1,233.14	2,135.93
North of Atlee	Red Deer	1,872.26		1,872.26
Watino	Smoky	1,435.12	2,672.99	4,108.11
Forbesville	North Saskatchewan	1,141.19	477.22	1,618.41
South of Empress	South Saskatchewan	1,857.86	190.26	2,048.12
Rosevear	Macleod	884.73		884.73
Warsplte	North Saskatchewan	1,191.14	723.99	1,915.13
Fort Vermilion	Peace	1,305.44		1,305.44
Helnsburg	North Saskatchewan	1,530.87	638.92	2,169.79
Rosedale	Red Deer	2,362.53	1,953.05	4,315.58
Beauvallon	North Saskatchewan	745.31	1,452.24	2,197.55
Bow Slope	Bow	1,147.12		1,147.12
Ferries—General		4,685.44		4,685.44
Appropriation No. 704—Income Account		$ 88,469.22	$ 23,180.84	$111,650.06

BRIDGE CONSTRUCTION AND MAINTENANCE
April 1, 1939—March 31, 1940

(N. W. MACPHERSON, *Commissioner of Highways and Bridges*)

During the year 11 crews were employed on bridge work, one of these being used on painting steel bridges.

Some ferry construction and maintenance was undertaken, and several bridges were built in connection with new Main Highway construction.

Under assistance from the Dominion Government, 3,167 lineal feet of protection wall was built along the Oldman River at Lethbridge.

All steel spans were fabricated within the Province, the following being a list of the same:

CONSTRUCTION:

Size	Stream	Location
1-100 foot span	Pipestone Creek	E. 12-47-24-4
1-100 foot span	Kneehills Creek	N.W. 35-29-25-4
1-100 foot span	Medicine River	E. 11-41-4-5
1- 80 foot span	Paddle River	S. 2-59-5-5
1-100 foot span	Lobstick River	S.E. 1-54-11-5
1- 60 foot span	Poplar Creek	N. 7-48-4-5
1-100 foot span	Sturgeon River	S.E. 10-55-24-4
1-175 foot span	Jumpingpound Creek	N. 4-26-4-5
1- 35 foot additional span	Milk River	E. 21-2-16-4
1- 60 foot span	Beaverlodge River	N. 8-73-11-6
1- 80 foot span	Beaverlodge River	N. 9-72-10-6
1- 60 foot span	Paddle River	N.W. 17-59-2-5

NEW SUB-STRUCTURES:

1- 60 foot span	Little Bow River	N.W. 17-16-26-4
1- 60 foot span	Little Bow River	26/27-14-25-4
1- 80 foot span	Dogpound Creek	N. 34-30-3-5
1- 80 foot span	Dogpound Creek	S. 4-33-3-5
1- 90 foot span	Jumpingpound Creek	S.E. 13-25-5-5
1- 80 foot span	Fish Creek	W. 6-23-1-5
1- 80 foot span	Medicine River	21/28-39-3-5
1- 60 foot span	Sturgeon River	8/9-55-22-4
1- 80 foot span	Sturgeon River	10/15-56-23-4
1- 60 foot span	Sturgeon River	N.E. 36-54-27-4
1- 80 foot span	Sturgeon River	S. 29-54-26-4
1- 60 foot span	Sturgeon River	R.L. 60-54-25-4
1- 60 foot span	North Fork Creek	W. 35-5-1-4
1-100 foot span	Willow Creek	S.E. 32-13-28-4
1- 80 foot span	Willow Creek	S.E. 5-14-29-4
1- 60 foot span	Threehills Creek	N.E. 15-30-23-4
1- 60 foot span	Threehills Creek	N.E. 22-31-24-4
1- 60 foot span	Threehills Creek	S. 3-32-24-4
1- 80 foot span	Kneehills Creek	29/30-29-24-4
1- 60 foot span	Lonepine Creek	23/24-30-26-4
1- 60 foot span	Lonepine Creek	N.W. 22-30-26-4
2-125 foot, 1-100 foot spans	St. Mary's River	W. ½-1-2-25-4
1-125 foot span	Beaver River	S.W. 20-63-12-4
1- 80 foot span	Blindman River	N. 7-41-1-5
1-125 foot span	Battle River	S.E. 35-45-3-4
1-100 foot span	Battle River	N.W. 17-44-8-4
2-135 foot, 1-60 foot spans	Pemblna River	N. 4-60-1-5
1- 60 foot span	Paddle River	W. 6-57-7-5

SUMMARY OF WORK ON BRIDGES, 1939-40:

Steel Bridges as shown above	40
Timber Bridges Constructed	250
*Brldges Maintained	236
Total Bridges dealt with	526

*46 of the maintained brldges were painted.

MAIN HIGHWAYS BRANCH

(N. W. MACPHERSON, *Commissioner of Highways and Bridges*)

An extensive programme of construction was carried out by this Branch during the season of 1939, 819.53 miles of highway construction of all types being undertaken. Included in this was 99.81 miles of bituminous surface treatment, 2.99 miles of asphaltic plant mix, and 223.95 miles of seal coating existing bituminous road surfaces. Further progress was made in eliminating railway grade level crossings for main highway traffic under agreement with the Board of Transport Commissioners for Canada. One crossing was eliminated on the Crowsnest Highway near Macleod by relocation of the highway and one crossing on the Jasper Highway near Gainford by the installation of a subway. In addition, two grade level crossings were protected by advance warning signal devices. Following is a statement of the work performed during the year ending March 31, 1940:

GRADING

MAIN HIGHWAYS

Location	Miles	Type	Work Done by
Medicine Hat-Sask. Boundary	31.90	S.E.G.	Day Labour
Monarch-Lethbridge	7.08	G.R.	Day Labour
Macleod-Monarch	16.05	S.E.G.	Day Labour
Macleod-Cardston Connection	1.93	S.E.G.	Day Labour
Alhambra—Rocky Mountain House	10.45	G.R.	Day Labour
Revision east of Wainwright	1.86	S.E.G.	Day Labour
Edmonton-Duffield	14.83	S.E.G.	Day Labour
Revision at Gainford	1.98	S.E.G.	Day Labour
Between Canyon Creek and Kinuso	1.00	S.E.G.	Day Labour
Near Brownvale	1.28	S.E.G.	Day Labour
17 miles South of Roycroft	2.25	S.E.G.	Day Labour
West of Debolt near Smoky River	1.25	S.E.G.	Day Labour
Wetaskiwin to Gwynne Hill and Connection	6.64	S.E.G.	Day Labour
Revisions between Mannville and Vermilion	1.79	S.E.G.	Day Labour
Edmonton-St. Albert	2.70	G.R.	Day Labour
TOTAL	102.99 miles		

S.E.G., Standard Earth Grade, 82.76 miles; G.R., Grade Re-condition, 20.23 miles.

SECONDARY HIGHWAYS

Location	Miles	Type	Work Done by
Between Olds and Dogpound Creek	1.60	S.E.G.	Day Labour
Onoway to Gunn	6.31	S.E.G.	Day Labour
Black Diamond South to N.E. 17-18-2-5	11.09	S.E.G.	Day Labour
Namao to North of Bon Accord	11.13	S.E.G.	Day Labour
TOTAL	30.13 miles		

S.E.G., Standard Earth Grade, 30.13 miles.

MISCELLANEOUS

Location	Miles	Type	Work Done by
Vermilion South	0.64	S.E.G.	Day Labour
Between Cadomin and Coalspur	8.65	E.G.	Day Labour
Ashmont to Spedden	7.51	S.E.G.	Day Labour
Edmonton-North Sask. River (Seaplane base)	2.08	E.G.	Day Labour
Town of Macleod	0.36	S.E.G.	Day Labour
TOTAL	19.24 miles		

E.G.. Earth Grade, 10.73 miles; S.E.G., Standard Earth Grade, 8.51 miles.

GRAVELLING

FIRST COURSE GRAVEL—MAIN HIGHWAYS

Location	Miles	Work Done by
Grande Prairie to Clairmont	8.00	Day Labour
Alhambra to Rocky Mountain House	14.39	White Court Lumber Co., Ltd.
Namao to Gibbons and Connection	17.20	Day Labour
TOTAL	39.59 miles	

Day Labour, 25.20 miles; Contract, 14.39 miles.

FIRST COURSE GRAVEL—SECONDARY HIGHWAYS

Location	Miles	Work Done by
Olds to Dogpound Creek	10.69	Fitzgerald Construction Co., Ltd.
Onoway to Gunn	6.31	Fitzgerald Construction Co., Ltd.
Black Diamond South to N.E. 17-18-2-5	11.09	Fitzgerald Construction Co., Ltd.
Namao to North of Bon Accord	14.91	Day Labour
TOTAL	43.00 miles	

Day Labour, 14.91 miles; Contract, 28.09 miles.

FIRST COURSE GRAVEL—MISCELLANEOUS

Edmonton-North Sask. River (Seaplane base) 2.08 miles Work done by Day Labour

REPLACEMENT GRAVEL—MAIN HIGHWAYS

Location	Miles	Work Done by
Medicine Hat to Sask. Boundary	31.90	Oliver Machinery Co.
Coalhurst to Lethbridge	4.63	Lethbridge Sand, Gravel & Construction Co., Ltd.
Monarch to Coalhurst	8.26	Poole Construction Co., Ltd.
Macleod to Monarch	16.05	Poole Construction Co., Ltd.
Macleod-Cardston Connection	1.93	Poole Construction Co., Ltd.
Seba to Entwistle	9.44	Western Can. Construction, Ltd.
Evansburg to Styal	4.55	Western Can. Construction, Ltd.
Niton to Horner	20.49	Western Can. Construction, Ltd.
Wetaskiwin to Gwynne Hill and Connection	6.64	Western Can. Construction, Ltd.
*Edmonton to St. Albert	2.70	H. G. Macdonald & Co.
Casavant to Clyde Corner	10.51	H. G. Macdonald & Co.
Revisions between Mannville and Vermilion	1.79	Day Labour
Edmonton to Namao	2.16	Day Labour
TOTAL	121.05 miles	

Day Labour, 3.95 miles; Contract, 117.10 miles.
*Stabilized with Calcium Chloride.

REPLACEMENT GRAVEL—SECONDARY HIGHWAYS

Location	Miles	Work Done by
Peers Highway	5.45	Western Can. Construction, Ltd.
Clyde Corner-West	0.87	H. G. Macdonald & Co.
Edmonton Country Club Road	2.30	H. G. Macdonald & Co.
TOTAL	8.62 miles	

REPLACEMENT GRAVEL—MISCELLANEOUS

Location	Miles	Work Done by
Winterburn Rifle Range Road	2.52	H. G. Macdonald & Co.
Town of Macleod	0.37	Poole Construction Co., Ltd.
TOTAL	2.89 miles	

BASE COURSE GRAVEL—MAIN HIGHWAYS

Location	Miles	Work Done by
Crossfield to Didsbury	17.94	Day Labour
Didsbury to North of Bowden	22.71	W. J. McCoy & Son.
North of Bowden to Red Deer	21.81	Fitzgerald Construction Co., Ltd.
Between Edmonton and Spruce Grove	9.54	Poole Construction Co., Ltd.
Edmonton West	1.34	H. G. Macdonald & Co.
Carvel to Duffield	4.85	Fitzgerald Construction Co., Ltd.
*Between Edmonton and Winterburn	1.36	Day Labour
*Between Spruce Grove and Carvel	9.93	Day Labour
Maple Leaf to Coleman	7.35	Day Labour
Between Pincher and Waterton Park	19.88	Day Labour
TOTAL	116.71 miles	

Day Labour, 56.46 miles; Contract, 60.25 miles.
*Gravel Crushed by Contract, spread by Day Labour.

BASE COURSE GRAVEL—MISCELLANEOUS

Location	Miles	Work Done by
Ponoka Institute Road	0.95	Western Can. Construction, Ltd.
Town of Blairmore	1.00	Day Labour
TOTAL	1.95 miles	

SUMMARY OF GRAVELLING

Type	Day Labour	Contract	Total
First Course Gravelling	42.19	42.48	84.67 miles
Replacement Gravelling	3.95	128.61	132.56 miles
Base Course Gravelling	57.46	61.20	118.66 miles
TOTALS	103.60	232.29	335.89 miles

BITUMINOUS SURFACING

MAIN HIGHWAYS

Location	Miles	Type	Work Done by
Medicine Hat to Redcliff	2.99	Plant Mix	City of Medicine Hat
Crossfield to Red Deer	62.46	Surface Treatment	Day Labour
Monarch to Lethbridge	12.20	Surface Treatment	Day Labour
Maple Leaf to Coleman	7.35	Surface Treatment	Day Labour
Edmonton to near Stony Plain	15.88	Surface Treatment	Day Labour
TOTAL	97.89 miles		
Calgary to Crossfield	25.12	Seal Coat	Day Labour
Ponoka to Edmonton	57.33	Seal Coat	Day Labour
Okotoks to Macleod	77.20	Seal Coat	Day Labour
Macleod to Pincher	29.01	Seal Coat	Day Labour
Pincher to Waterton Park	31.42	Seal Coat	Day Labour
TOTAL	220.08 miles		
Wetaskiwin to Millet	2.46	Retreatment	Day Labour
Near Spruce Grove	0.34	Retreatment	Day Labour
Between Twin Butte and Waterton Park	1.73	Retreatment	Day Labour
TOTAL	4.53 miles		

MISCELLANEOUS

Ponoka Institute Road	0.92	Surface Treatment	Day Labour
Town of Blairmore	1.00	Surface Treatment	Day Labour
TOTAL	1.92 miles		
Village of Millet	0.50	Seal Coat	Day Labour
Town of Pincher Creek	0.86	Seal Coat	Day Labour
Town of Okotoks	0.60	Seal Coat	Day Labour
Town of Nanton	0.38	Seal Coat	Day Labour
Town of Claresholm	0.80	Seal Coat	Day Labour
Town of Macleod	0.37	Seal Coat	Day Labour
City of Edmonton	0.36	Seal Coat	Day Labour
TOTAL	3.87 miles		

Asphalt used	1,637,012 gallons
Area treated	4,281,567 sq. yds.

TOTAL GRAVEL QUANTITIES TAKEN OUT UNDER ALL SURFACING PROJECTS

	By Day Labour	By Contract	Totals
Crushed Gravel to Railway Cars	.....	42,149.0	42,149.0
Crushed Gravel to Trucks or Stockpile	36,495.5	282,365.6	318,861.1
Screened Gravel to Trucks	8,850.0	.. ..	8,850.0
Pit Run Gravel to Trucks	21,459.0	.....	21,459.0
TOTAL CUBIC YARDS	66,804.5	324,514.6	391,319.1

CABLE GUARD ERECTION

Location	Work Done by	Posts Installed	Cable Guard
Crossfield to Red Deer	Day Labour	1,773	32,245 L.F.
Menaik to Millet	Day Labour	324	5,285 L.F.
Edmonton to Stony Plain	Day Labour	622	7,355 L.F.
Macleod to Lethbridge	Day Labour	868	13,925 L.F.
Rocky Mountain House Overhead	Day Labour	169	2,000 L.F.
TOTALS		3,756	60,810 L.F.

MAIN HIGHWAYS CONSTRUCTION
STATEMENT OF EXPENDITURE, YEAR ENDING MARCH 31, 1940

Number	Project	Total	Preliminary Engineering	Clearing, Grubbing, Grading	Culverts, Bridges, Cable Guard	Compensation	Gravel Surfacing	Clay Surfacing	Bituminous Surfacing	General
1-A-1	Calgary-Airdrie	$ 14,952.73							$ 14,952.73	
1-A-2	Airdrie-Carstairs	45,845.27		$ 196.29	$ 100.27	$ 509.00	$ 13,693.28		31,346.43	
1-B-1	Bowden-Innisfail	28,938.12		133.01		1,580.00	14,430.65		12,787.99	$ 6.47
1-B-2	Carstairs-Olds	54,929.67		2,347.44	476.78	1,418.60	20,968.84		29,711.54	6.47
1-B-3	Olds-Bowden	36,565.16		139.07		728.30	15,723.40		19,967.92	6.47
1-C-1	Innisfail-Penhold	32,035.63		134.05		527.05	14,466.74		16,901.32	6.47
1-C-2	Penhold-Red Deer	35,608.88		115.35		1,478.00	15,912.02		18,097.04	6.47
1-D-2	Red Deer-Lacombe	597.40		597.40						
1-E-1	Ponoka-Menaik	6,655.52		92.94			21.07		6,541.51	
1-E-2	Wetaskiwin-1 Mile North of Millet	14,240.76		228.25	40.88	298.83	494.75		13,166.78	11.27
1-E-3	Menaik-Wetaskiwin	15,623.52		149.09			159.60		15,314.83	
1-F-1	Edmonton-Leduc	17,705.99					1,177.26		16,528.73	
1-F-2	Leduc-Millet	12,054.51				100.00	4,247.86		7,706.65	
2-A-1	Irvine-Walsh	28,013.20	$ 524.77	9,847.21	780.69	32.00	13,736.63		3,091.90	
2-A-2	Medicine Hat-Irvine	50,600.87	787.47	18,979.85	782.91		25,006.69	$ 426.75	4,617.20	
2-D-1	Lethbridge-Monarch	52,885.17		4,736.47	18.25	410.67	26,494.13		21,225.65	
2-D-2	Macleod-Monarch	63,965.69	1,361.38	40,813.46	2,501.98	4,993.14	13,506.36	562.97	226.40	
2-D-2R	Highway Revision at Macleod	14,775.01	5.17	8,940.06	770.18	724.03	2,722.64	1,612.93		
2-E-2	Pincher-Bellevue	3,812.63	135.92				738.53		2,938.18	
2-E-3	Bellevue-1 Mile West of Coleman	31,195.05		3,694.96	371.55	4.00	9,129.60	29.08	17,965.36	.50
2-E-4	Coleman-B.C. Boundary	2,041.07							2,041.07	
2-E-9	Pincher-Mile 14.68	10,250.65							10,250.65	
2-E-10	Mile 14.68-1 Mile West of Macleod	8,479.16							8,479.16	
3-A-1	Calgary-Okotoks	21.30		3.99					17.31	
3-A-2	Okotoks-High River	13,001.85							13,001.85	
3-A-3	High River-Nanton	15,186.98							15,186.98	
3-A-4	Nanton-Stavely	15,890.55							15,890.55	
3-B-1	Granum-Macleod	9,683.95				203.20			9,480.75	
3-B-2	Stavely-Granum	19,217.45					1,012.00		18,205.45	
3-C-1	Waterton River-Cardston	963.26	963.26							
3-C-2	Macleod-Waterton River	7,814.97	694.25	4,649.17	297.28	114.00	1,393.75	666.52		
4-A-1	Calgary-Inverlake	48.39	48.39							
4-A-2	Inverlake-14 Miles East of Strathmore	1,369.17	1,369.17							
4-B-3	Bassano-Brooks	163.19	163.19							
4-C-1	Medicine Hat-Redcliff	17,892.33					5,196.83		12,695.50	
6-A-1	Warner-11 Miles North	427.33	427.33							
6-A-2	11 Miles North of Warner-1 Mile North of Sterling	302.83	302.83							

MAIN HIGHWAYS CONSTRUCTION
STATEMENT OF EXPENDITURE, YEAR ENDING MARCH 31, 1940

Number	Project	Total	Preliminary Engineering	Clearing, Grubbing, Grading	Culverts, Bridges, Cable Guard	Compensation	Gravel Surfacing	Clay Surfacing	Bituminous Surfacing	General
6-A-3	1 Mile North of Sterling-Lethbridge	$ 1,104.26	$ 1,104.26							
6-B-1	Milk River-6 Miles North	189.41	189.41							
6-B-2	6 Miles North of Milk River to Warner	190.07	190.07							
6-B-3	International Boundary-Milk River	414.48	414.48							
7-B	2 Miles East of Cochrane-Radnor	316.24				$ 316.24				
7-C-1	Radnor-1½ Miles West of Morley	239.40				239.40				
7-D	Kananaskis-Banff Park	92.00				92.00				
9-A-1	Alhambra-Rocky Mountain House	38,989.08	533.82	$ 18,169.15	$ 1,610.50	1,757.34	$ 16,918.27			
9-A-1R	Overhead Crossing Rocky Mountain House	11,733.01		3,630.02	7,050.02	1,036.97	16.00			
9-C	Brazeau West	3,653.80	3,653.80							
10-A	Wetaskiwin-Camrose	117.00				117.00				
13-A	Edmonton-Fort Saskatchewan	205.59	205.59							
13-D-1	Vermilion-Lloydminster	42.40	42.40							
13-D-3	Innisfree-Vermilion	295.86	72.66			223.20				
14-A-1	Edmonton-Winterburn	26,626.18		2,172.91	891.14	38.15	10,602.46		$ 12,921.52	
14-B-1	Winterburn-Mile 27.41	98,736.49	32.18	26,742.67	1,800.24	5,403.07	29,364.20	$ 297.25	35,096.88	
14-B-1R	Overhead Crossing Spruce Grove	16,349.17		10,649.04	1,846.40	1,160.64	2,693.09			
14-B-2	Mile 27.41-Seba Corner	53,501.62	1,120.09	34,927.02	2,101.50	1,057.98	11,727.69	297.03	2,270.31	
14-C-2	Seba Corner-Entwistle	20,192.79	567.61	33.33			19,591.85			
14-C-2R	Underpass Crossing-Gainford	30,229.09	351.21	12.882.48	10,077.40	1,710.07	5,207.93			
14-C-3	Evansburg-Styal	9,645.65					9,645.65			
14-D-2	Carrot Creek-Brines Corner	13,637.88					13,637.88			
14-D-3	Carrot Creek-Styal	5,591.09					5,591.09			
14-E-1	Edson-Pedley	139.12					139.12			
15-A-2	Edmonton-Legal	2,976.97					1,744.21			$ 1,232.76
16-B	Smith-Kinuso	2,219.79		2,161.79	58.00					
17	Peace River-Dunvegan	9,949.27		6,797.44	2,855.47	296.36				
18	Dunvegan-Grande Prairie	8,592.53		8,353.33	239.20					
24-A-1	Waterton Park—Mile 26.27	6,328.37							6,328.37	
24-A-2	Mile 26.27-Pincher	32,180.40							32,180.40	
31	High Prairie-Grande Prairie	2,019.38		1,822.35	138.43	58.60				
40.00E6	Town of Cayley	6,415.17			6,415.17					
40.00E8	Town of Claresholm	42.10							42.10	
40.00E16	Town of Granum	797.63		494.32			303.31			
40.00E22	Town of Macleod	698.65		130.35			308.50	179.49	80.31	
40.00E23	City of Medicine Hat	1,283.40								1,283.40
40.00E24	Town of Millet	292.01							292.01	

40.00E26	Town of Nanton	20.06							20.06	
40.00E27	Town of Ponoka	78.17							78.17	
40.00E28	City of Red Deer	147.90								147.90
40.00E35	Town of Okotoks	96.17							96.17	
40.00E44	Town of High River	771.72		59.15			368.57	101.00		243.00
40.00E42	City of Drumheller	136.05								136.05
40.00E43	City of Wetaskiwin	213.30								213.30
40.00E47	City of Lethbridge	853.50								853.50
40.00E56	Town of Irvine	881.82					737.27		144.55	
40.00E71	City of Edmonton	4,138.50								4,138.50
40.00E72	City of Calgary	2,607.60								2,607.60
40.00E96	Town of Stony Plain	229.16		229.16						
41-8-2	Ashmont-Vilna	17,617.22	195.20	15,515.58	715.77	1,190.67				
41-2-12/7	Cardston-Emigrant Gap	1,728.76	1,728.76							
41-11-23	Peace River-St. John	665.52	665.52							
43-1	Jasper Highway-Seba Beach	26.25	26.25							
43-14	Olds-Sundre	13,735.58		3,661.77	1,092.16	94.50	8,887.15			
43-17	Onoway-Sangudo	35,210.27		23,753.23	5,215.13	1,941.07	4,157.61	143.23		
43-19	Black Diamond-Hartell South	46,572.51	672.23	23,679.23	5,714.57	3,799.38	12,707.10			
43-20	Lethbridge-Iron Springs	18.07				18.07				
43-21	Grimshaw-North Provincial Boundary	56,526.10	10,303.05	40,096.50	6,126.55					
S.W. 2	Grimshaw-North Provincial Boundary	11,203.12	1,479.32	9,651.77	28.70					43.33
43.25	Namao-Bon Accord	35,428.85	641.73	22,116.66	2,786.72	826.94	9,056.80			
43.26	Tofield-Stettler	1,334.56	1,334.56							
3512	Donnelly-Watino	45.00	45.00							
40.65	Road to River Airport	173.50				173.50				
6325E	Ponoka Institute Road	9.68							9.68	
47290	Cadomin-Coalspur	24,162.20		21,083.30	2,960.08	118.82				
2922GM	Parliament Buildings Road	2,026.87							2,026.87	
3077	Gravel Pits—General	11,649.93				50.00	4,327.38		7,272.55	
3083	General and Administration	28,114.84								28,114.84
		$1,386,205.34	$ 32,352.33	$384,610.61	$ 65,863.92	$ 34,840.79	$367,965.76	$ 4,316.25	$457,197.38	5 39,058.30

SUMMARY

Appropriation 754A	$ 35,384.99
Appropriation 754B (including Special Warrants 10, 31, 32, 33, 41 and 56, 1939	1,339,617.23
Special Warrant 2, 1939	11,203.12
	$1,386,205.34

NOTE.—Reconstruction work in the sum of $86,456.35 was also undertaken by the Branch. Payment for same was made from Appropriation 706BH and is included in statement of Main Highway Maintenance.

SURVEYS BRANCH

Report for the Fiscal Year ending March 31, 1940

(A. P. C. BELYEA, *Director of Surveys*)

The work of the Surveys Branch for the fiscal year ending March 31st, 1940, amounts to approximately that of last year.

There were four field parties surveying highways from the first week of May until the month of November.

The number of road plans submitted for examination by Municipal Districts was slightly reduced, and there was also a small reduction in the number of surveys carried over to the present year.

The following is a summary of the work of this Branch during the past year:

Surveys required and brought forward from 1938 (after revising schedule)	413
Surveys asked for during 1939	187
Surveys made during 1939	178
Surveys carried over to 1940	422
Plans submitted and examined on behalf of Municipal Districts	91
Titles issued to roadways surveyed by Municipal Districts	103
Plans prepared and filed in Land Titles Office	203
Certificates of Title received for roadways	193
Certificates of Title received for lands given for public purposes under Departmental Regulations as to subdivisions	14
Certificates of Title to public buildings	21
Transfers issued covering lands no longer required	190
Number of plans of subdivisions approved	55
Plans submitted by the Department of Water Resources	34
Plans of Power and Transmission Lines	16
Vouchers issued for compensation	510
Leases of road allowances in force	219
Leases of road allowances applied for	31

BUILDINGS BRANCH

(W. D. STACEY, *Superintendent of Buildings*)

The work of this Branch was carried out along similar lines to previous years. Considerable alterations, capital and maintenance work were carried out as follows:

University Hospital, Edmonton South.

An addition to the obstetrical unit was constructed of interlocking clay tile for exterior walls, with frame partitions and floor joists. The size is 74′×42′, and the general design of exterior harmonizes with the existing unit. Accommodation for the nursery, labor rooms, private case room and public case service room, doctors' room and students cloak room is provided. Complete air-conditioning is carried out by an automatic system located in the basement. Up-to-date medical and surgical equipment has been installed.

Provincial Building, Edmonton.

The building, formerly owned by the James Ramsey Estate, and occupied by the T. Eaton Co., was purchased and complete renovation was made in order to convert the building into suitable offices. An inside fire escape was built and main stairway placed in the front portion of the building. The cost of this renovation was $55,293.28.

Parliament Buildings.

This Department was in charge of the decorations of Provincial Government Buildings for the reception of the King and Queen on their Royal Visit.

Two arches were erected at the entrance to the grounds of the Parliament Buildings on 109th Street, and in the rotunda of the building an open fountain was built, which was decorated with flowers and bunting.

Mental Institute, Oliver.

A new storm sewer was installed at this institution to take care of the surface water. Due to increased accommodation, it was necessary to enlarge the septic tank, which was constructed of solid concrete chambers, and up-to-date equipment of pumps, etc., were purchased.

Provincial Training School, Red Deer.

An Infirmary Building was erected at Red Deer to take care of incurable patients. This building is of hollow tile construction, concrete floors, fabricated steel joists, asbestos shingled roof. It is 118′ long, and is roughly "L" shaped and extends back a distance of 64′. Provision was made to enable building of a similar wing, when required. It will accommodate from 60 to 70 patients, and has matron and assistant matron's quarters, treatment rooms, laboratory, etc. The first floor only was furnished.

Property known as "The Old Gaetz Farm" was purchased, and the buildings thereon consisted of a large farm house of 12 rooms,

which was renovated and remodelled into a farm dormitory for the boys who can do farm work.

Agricultural Schools, Vermilion and Olds.

Up-to-date farrowing hog pens and several other small buildings were erected at both of these Agricultural Schools.

Treasury Branches.

Suitable buildings were located and fitted up for use as Treasury Branches at the following places: Lethbridge, Cardston, Blairmore, Raymond, Lacombe, Three Hills, Ryley, Wetaskiwin, Ponoka, Edson, Vermilion, Wainwright, Hanna, Olds, Standard, Vulcan, Grimshaw, Westlock, Vegreville, Berwyn and Edmonton South.

The "Old Merchants Bank Building" at Calgary was purchased and completely remodelled. The main floor is occupied by the Treasury Branch and the second floor is occupied by various provincial offices. The cost of renovating this building was $5,107.38.

St. Paul.

A building at St. Paul was purchased at a cost of $2,850.00. A portion of this building is occupied by the Liquor Vendor Store, and the balance of the building will be renovated for other Government offices.

Carpenter Shop, Edmonton.

This shop has been occupied manufacturing equipment and furniture, i.e., counters, desks, tables, bookcases and filing cabinets for the various public buildings, offices and institutions.

General.

Repairs and alterations to Government buildings and institutions, which also includes buildings occupied by the R.C.M.P. and owned by this Government, have been carried out under the supervision of our foreman as directed.

The expenditure for appropriations controlled by this Branch during the year 1939-40 was as follows:

CAPITAL EXPENDITURE

Apprn. No.			
	Furnishings and Equipment:		
756	General	$ 51,285.17	
S.W. 36	Provincial Building, Edmonton	3,252.82	
S.W. 44	Animal Pathologist Laboratory, Edmonton	4,189.96	
			$ 58,727.95
	Sites and Construction of Buildings:		
759	(Including S.W. 30, S.W. 37, S.W. 40) General	$128,497.71	
S.W. 4	Provincial Building, Calgary	55,107.38	
S.W. 11	Power Plant, Oliver	990.96	
S.W. 36	(Including S.W. 54, S.W. 71) Provincial Building, Edmonton	155,293.28	
S.W. 44	Animal Pathologist Laboratory, Edmonton	3,163.93	
S.W. 61	Purchase of Land and Building, Vermilion	2,979.82	
			346,033.08
			$404,761.03

INCOME EXPENDITURE

708	Administration	$ 16,470.05	
709	(Including S.W. 40, O.C. 1427/39, O.C. 691/40) Legislative Departmental Buildings	418,095.85	
710	(Including S.W. 40, O.C. 1427/39) Public Institutions	92,314.96	
713	(Including O.C. 424/40, O.C. 691/40) Government House	5,790.78	
715	(Including S.W. 46) Defence Measures	6,039.20	
S.W. 36	(Including S.W. 71) Provincial Building, Edmonton	11,183.37	
S.W. 5	New Carpet and renovating Legislative Assembly for Royal Visit	4,779.31	
			$554,673.52

MECHANICAL BRANCH

(VERNON PEARSON, *Superintendent*)

I hereby respectfully submit the annual report of the Mechanical Branch for the year ended March 31st, 1940.

The Mechanical Branch is now charged with the following responsibilities:

1. The maintenance and operation of the power plants and utility service of the eight largest institutions.
2. The administration of The Steam Boilers Act.
3. The administration of The Factories Act.
4. The administration of The Tradesmen's Qualification Act as it applies to Welders.
5. The administration of The Electrical Protection Act.

The administration of The Electrical Protection Act was transferred to this Department on October 31, 1939.

Power Plants and Institution Maintenance.

A study of the power plant statistics for the year shows a material increase in the demands of the various institutions. There was an increase in the consumption of coal amounting to 2,449 tons; an increase in gas consumption of 9,829,000 cubic feet; an increase in the electricity supplied of 425,244 kilowatt hours; and an increase in the water consumption of 14,698,000 gallons. At the same time, there was an increase in expenditure of $6,367.61. This, however, is offset by the expenditure of $7,500.00 for the replacement of an old boiler at the Provincial Training School, Red Deer.

The chief engineers of the various plants continue to express concern about the increased demands made upon their plants, as a great deal of the equipment is either inadequate, obsolete or inefficient.

The work of remodelling the heating systems at Ponoka was continued during the summer; $4,093.00 was expended on this item.

The installation of a 100 H.P. Vickers-Keeler water tube boiler at Red Deer and the commencement of the construction of a new sewage disposal plant at Oliver were steps in the right direction.

PROVINCIAL GOVERNMENT POWER PLANT STATISTICS

For Year ended March 31st, 1940

(VERNON, PEARSON, *Mechanical Superintendent*)

No.	Name	FUEL Coal (Tons)	FUEL Gas (Cubic Feet)	WATER Pumped from Local Sources (Imperial Gallons)	WATER Purchased (Imperial Gallons)	ELECTRICITY Generated	ELECTRICITY Purchased	MECHANICAL REFRIGERATION (Tons)	Expenditure for Maintenance and Operation
1.	Parliament Building and Administration Building	4,834	.....	.....	23,437.883	$1,250,600	110,760	.....	$ 26,429.13
2.	Institute of Technology and Normal School, Calgary	1,030	3,205,000	.....	4,931,670	68,400	69,096	.....	11,467.21
3.	Ponoka Mental Hospital	14,018	.....	61,665,000	.....	1,705,650	.....	5,380	93,606.23
4.	Fort Saskatchewan Gaol	2,579	.....	11,180,000	.....	263,930	.....	.....	17,456.52
5.	Lethbridge Gaol	2,231	.....	7,119,510	6,974,500	106,577	.....	.....	13,061.30
6.	Oliver Mental Institute	5,521	.....	.....	28,200,437	620,800	.....	.....	41,638.06
7.	Central Alberta Sanatorium		45,441,000	35,299.080	.....	349.950	.....	1,100	24,279.21
8.	Provincial Training School, Red Deer	1,867	.....	.....	11,129,490	66,980	18,800	.....	26,772.25
	TOTALS	32,080	48,646,000	115,263,590	74,673,980	4,432,887	198,656	6,480	$254.709.91

Total Coal used	32,080	Tons
Total Gas used	48,646,000	Cubic Feet
Total Water used	189,937,570	Imperial Gallons
Total Electricity used	4,631.543	Kilowatt Hours
Total Refrigeration	6,480	Tons

The Steam Boilers Act

Several accidents have occurred to pressure vessels and equipment coming within our jurisdiction, but fortunately no person has been injured as a result of these accidents.

Two large new refineries located in Calgary have been placed in operation during the year. These refineries are operated by the British American Oil Company and the Imperial Oil Company. New units have been added to the refinery operated by the Gas & Oil Products, Limited, at Hartell. The Abasand Oil Plant at Fort McMurray is now in operation, and the Industrial Minerals' salt plant at Waterways has been reconditioned. The work included the installation of a 320-H.P. Vickers-Keeler water tube boiler. The Cadomin Coal Company at Cadomin installed an all-welded 8″ steam line, 1,100 feet in length; this connectes the main power house with the 1,000-H.P. shaft hoist. Steam for the hoist was formerly supplied by four 150-H.P. boilers adjacent to the hoist.

Two 320-H.P. B. & W. water tube boilers and an 800 K.W. turbo-generator have been added to the Mountain Park Collieries plant.

Supervision of repairs and the several new installations has taken up a great deal of the time of our staff during the year. Inspector Hawkins again reports that it is physically impossible with the present staff in the Calgary district to inspect properly all power boilers and other high-pressure equipment yearly, and air tanks and heating boilers every two years.

Five persons were prosecuted under Section 23 and two under Section 7 of the Act; a conviction was obtained in each case. As a result of these prosecutions both owners and operators have shown a desire to co-operate more readily with the requirements of the Act.

The following is a summary of the work accomplished during the year, along with a comparative summary of work and revenue for the years 1938-39 and 1939-40:

Type of Boiler or Pressure Vessel Inspected:	1938-39	1939-40
Horizontal Return Tubular	399	399
Horizontal Furnace	61	52
Water tube	142	170
Locomotive Type	834	930
Vertical	115	257
Air Receivers	1,495	1,449
Ammonia Receivers (Rfg. Units)	36	106
Steam Cookers	53	68
Steel Heating	452	265
Cast Iron	388	320
Miscellaneous	152	216
Total number inspected	4,127	4,232
Condition of Pressure Vessels Inspected:		
Good	2,460	2,545
Fair	1,460	1,530
Poor	146	96
Condemned	37	35
Scrapped	24	26
Total	4,127	4,232

Certificates Issued	3,373	3,502
Number of Inspection Visits	5,610	5,653
Number of Special Inspections under Sec. 13 of The Boilers Act	87	47
Factory Act Inspections	599	812
Number and Class of Engineers' Certificates Issued:		
First Class	2	1
Second Class	6	19
Third Class	81	80
Special Certificates	28	26
Traction Final	21	21
Fireman's Final	38	28
Provisional Certificates	372	343
Welder's Certificates	6	16
Temporary Certificates	29	37
Total	583	571
Number of Designs surveyed	241	197
Revenue for registration of Designs	$ 1,904.50	$ 1,218.50
Total Revenue	35,947.76	41,113.63

The Factories Act

There has been a marked increase in the activities of certain manufacturing industries.

The most notable increase in production was again that of crude oil, while packing plants, sugar refineries, flour mills and creamery products showed increased production over the previous year. A number of new oil wells were drilled to completion during the year, and one large oil refinery made extensive additions to its plant.

An increase of approximately 1,500 employees was noted in industries inspected this year over the year ending March 31st, 1939.

Accident Prevention.

For many years past there has been a marked improvement in the attitude of employers and employees alike towards the factory inspectors and their endeavours to eliminate hazards found in the ordinary factory and workshop.

Employers this year have again increased their requests for advice as to the best manner of eliminating hazards when machinery is being erected or moved to new locations. Inspectors have been called in for the purpose of meeting with Safety Committees in plants, and such meetings invariably prove beneficial to the employees of such plants.

Special attention has been given this year by one of our inspectors to the drilling of oil wells, and it is gratifying to note that during the year, while there has been an increase in the number of wells drilled, there has been a decrease in the number of accidents sustained by workmen in this class of employment.

During the year there were 1,964 recommendations made relative to safety, and with the exception of recommendations made during the month of March, this Branch has been advised that the recommendations have been carried out.

Health.

The installation of ventilating systems in the workshops of garages has been the most contentious matter dealt with during the past year. It has been found that after the installation of modern ventilating systems in some garages that it becomes a problem to have workmen keep such systems in operation while they are carrying on the ordinary course of their employment. Recently one

system was found to be closed down while an automobile engine was running in the garage and being allowed to exhaust into the open shop. Inspectors are ever watchful in their inspections around garages, and often warn employees of the hazard that exists from carbon monoxide gas found in such places.

Recommendations continue to be made relative to good housekeeping practice as well as to the providing of adequate toilet and wash-room facilities for the use of employees in factories and shops. In all, 112 health recommendations have been made during the past year, and this branch has been advised that these recommendations have been completed.

Child Labour.

Again we are pleased to report that during the year no children were found to be employed in any place of business to which the provisions of The Factory Act apply, nor were any requests made or permits requested for the employment of children in any capacity.

Inspections.

Calgary inspectors made periodic visits to Lethbridge and Medicine Hat. Six visits were made to Lethbridge and four to Medicine Hat. The Calgary inspectors looked after the Turner Valley inspections as well as other points in the southern part of the Province.

An interchange of inspection reports has been maintained with the Workmen's Compensation Board. Copies of 5,555 factory inspections and 825 elevator inspections have been forwarded to the Board. At the same time we have received copies of reports dealing with matters of interest to this Department, covering 554 places visited by inspectors of the Workmen's Compensation Board.

Table No. 1, which follows, sets forth the number and classification of inspections made, together with the number of employees, male and female, and recommendations made in each classification.

The heading "Safety" denotes recommendations made relative to the guarding of machinery, handrails on stairways, runways, platforms, openings in floors, condition of ladders and scaffolding and free access to fire escapes.

The heading "Health" denotes recommendations made relative to sanitation, ventilation, lighting and housekeeping.

TABLE No. 1

SUMMARY OF INSPECTIONS MADE

	No. of Inspections Made	No. of Places Inspected	No. of Male Employees	No. of Female Employees	Total Persons Employed	No. of Recommendations Made	
						Safety	Health
Factories	2,781	2,774	14,389	2,138	16,527	1,759	79
Shops	2,691	2,688	8,352	4,464	12,816	195	33
Office Buildings	93	93	222	45	267	10	.....
Totals	5,565	5,555	22,963	6,647	29,610	1,964	112

Passenger and Freight Elevators.

The installation of interlocks on passenger and freight elevators in accordance with Provincial Elevator Regulations has now been

practically completed. In the City of Medicine Hat there were two elevators that were being operated without interlocking gates at March 31st, 1940. The material necessary to bring these elevators up to Provincial Elevator Regulations was on the premises, and workmen were expected within the next few days to proceed with the installation of this equipment.

The installation of proper landing gates and interlocks on passenger and freight elevators was commenced during the year 1937; this work is almost complete. The Department has received, almost without exception, whole-hearted co-operation from the owners of buildings in bringing their elevators up to the standard of safety required by the Provincial regulations.

There were 14 new elevators installed during the year as follows: 3 escalators, 3 passenger elevators, 7 power freight elevators, 1 power dumb-waiter elevator.

There were 825 inspections of elevators made, and of this number 164 were special or requested inspections. During the year 5 elevators were condemned for future use as elevators, and 6 were found to have been dismantled or scrapped. During the course of their inspections, inspectors found 70 elevators that were not being operated when the plants in which they were located were visited.

Table No. 2, which follows, contains information relative to the number of elevator inspections made, classification of such elevators inspected, and the number of recommendations made in each class.

TABLE No. 2

SUMMARY OF ELEVATOR INSPECTIONS FOR THE YEAR ENDING MARCH 31, 1940

Class of Elevator Inspected:		No. Insp.	No. Rec.
Escalator		7	4
Passenger		188	207
Power Freights		345	624
Manually Operated Freights		56	118
Employee's Belt Lift or Humphries		20	28
Power Dumb-waiter		25	20
Not Being Operated		70	3
Condemned		5	1
Dismantled or Scrapped		6	...
Reinspection:	Passenger	13	....
	Freight	77	9
	Manual	11	1
	Humphrey	2	..
	Dumb-waiter	....	..
	TOTAL	825	1,015

Number of Special or Requested Inspections, 107.

The Tradesmen's Qualification Act

Welders.

The early part of the year was utilized in drafting regulations and the necessary forms for administration purposes. A large amount of time was also spent in drawing up examination papers required for the different classifications of welders. Papers for journeymen, provisional and special welders engaged in gas or electric processes or both were necessary. A total of 30 sets was considered the minimum to cope with the volume of candidates expected. A considerable amount of equipment and materials were selected and purchased for the purpose of conducting practical tests, and arrangements were made at various points in the Province for facilities and space in which to hold examinations and conduct practical tests.

Examinations commenced in the month of July in Edmonton and continued at various points to the end of the year. A summary of the places visited and the number of candidates examined, and the number of practical tests supervised are as follows:

Edmonton 1—July 7, 1939, to September 1, 1939; 89 candidates and 117 practical tests.
Calgary 1—September 9, 1939, to November 25, 1939; 126 candidates and 166 practical tests.
Edmonton 2—November 29, 1939, to January 4, 1940; 69 candidates and 75 practical tests.
Calgary 2—January 13, 1940, to February 3, 1940; 34 candidates and 34 practical tests.
Drumheller 1—February 14, 1940, to March 12, 1940; 55 candidates and 72 practical tests.
Calgary 3—March 21, 1940, to March 31, 1940; 17 candidates and 23 practical tests.

A total of 390 candidates were examined. This involved the marking of 487 papers and the examination of the results of a large number of practical tests. This does not include the supervision and examination of a number of candidates as pressure vessel welders under The Steam Boilers Act.

Out of the above total of welders examined under The Tradesmen's Qualification Act, there were 53 failures. These were as follows: 17 Journeymen, 34 Special, 1 Provisional.

The largest percentage of failures in the Specials were by candidates who wrote for a General Plant Maintenance Certificate and failed, but were recommended for a certificate restricting them to welding in the particular plant in which they were employed. Eighteen applicants were not allowed to undertake examination due to insufficient practical experience.

While there has been slackness in some quarters in complying with the regulations, welders and their employers have on the whole given the Department every assistance and co-operation in enforcing the new regulations.

It is, however, evident that some changes are required in the Act. Employers should be made liable for employing non-certificated welders and more severe penalties should be imposed on non-certificated men engaged in welding. It appears desirable that provisions should also be incorporated into the Act to require the registration with the Department of the sale and exchange of new and second-hand welding equipment. This would give the Department information that would permit a more thorough check on places where welding is being conducted. In many cases it would be instrumental in conveying to the purchaser the necessity of having a proper certificate to operate such equipment and acquaint him with the regulations now in effect.

The trade of welding is recognized as a most important one, both as regards the dangers to the operators and those dependent on the quality of the work performed. The failure of welded structures or of welded equipment may result in serious life and property losses, and for these reasons it is the intention of the Department to ask for more stringent regulation of this industry.

HIGHWAY TRAFFIC BOARD

(A. CHARD, *Chairman*; W. T. AIKEN, *Secretary*)

During the year 1939-40 the Board held 16 meetings, including public hearings for bus franchises and conferences with truck and bus operators. The following is a list of certificates issued for bus operation and which were in effect as at March 31, 1940:

NAME	ROUTE
Brewster Transport Company	Calgary-Banff.
Bus Universal Supply Company	Edmonton-Beverley.
Canadian Coachways, Ltd.	Edmonton-Winfield.
	Edmonton-Athabasca.
	Edmonton-Lac La Biche.
Central Canadian Greyhound Lines, Ltd.	Calgary-Edmonton.
	Calgary-Macleod.
	Calgary-Lethbridge.
	Calgary-Medicine Hat.
	Macleod-Walsh.
	Lethbridge-Cardston-Macleod.
	Macleod-Crowsnest.
	Edmonton-Lloydminster.
	Edmonton-Edson.
	Vegreville-Cold Lake.
	Entwistle-Drayton Valley.
Collins, A. P.	Edmonton-Mayerthorpe.
Drumheller Bus & Taxi Company	Drumheller-East Coulee.
	Drumheller-Wayne.
	Drumheller-Nacmine.
	Drumheller-Midland.
Glacier Park Transport	Carway-Waterton Park.
Highway Transports, Ltd.	Bruderheim-Willingdon.
Johnson, D. T.	Pincher Creek-Waterton.
	Lethbridge-Coutts.
	Lethbridge-Etzikom.
Kropinak, M.	Lethbridge-Galt Mines.
Lethbridge Northern Bus Lines	Lethbridge-Turin.
Latimer, R. F.	Edmonton-Picardville.
	Edmonton-Flatbush.
McMorris, G.	Calgary-Lomond.
Monden, Felix	Calgary-Turner Valley.
Northland Arrow Lines	Edmonton-Barrhead.
	Barrhead-Fort Assiniboine.
Red Bus Lines, Ltd.	Calgary-Oyen.
	Stettler-Rimbey.
	Carbon-Central Service Station.
	Calgary-Consort.
	Rimbey-Nevis.
Rocky Mountain Tours	Calgary-Banff (Limited Certificate)
Sorenson Bus Lines	Red Deer-Rocky Mountain House.
Sunburst Motor Coaches	Edmonton-Wainwright.
	Daysland-Alliance.
	Edmonton-Vilna.
	Edmonton-Winfield.
	Edmonton-Hardisty.
Van Wert, T.	Redcliff-Medicine Hat.
U.M.W.A.L.U. No. 7302	Miners Library-Galt Mines.

Operation of the Sunburst Motor Coaches between Daysland and Alliance was cancelled.

Operation of Paul Intwert between Stettler and Camrose was cancelled.

The mileage covered by busses operating over surfaced highways during the fiscal year was 3,004,350 and over dirt roads 510,593, making a total of 3,514,943, being an increase of 184,824 over that of the previous year.

The number of passenger miles operated over surfaced roads was 76,765,596, and over dirt roads 6,923,758.

The number of bus licenses issued was 143.

The Board issued 111 Certificates to operators of liveries and taxicabs, covering 229 entire units.

The Board also issued 4,025 Public Service Vehicle Certificates, 2,092 Commercial Vehicle Certificates, and 1,154 Certificates for the transportation of grain only during the harvesting season. Class (X) plates to the number of 483 were issued by the Board, and in addition to this a large number of certificates for the operation of farm trucks.

PROVINCIAL GAOL, FORT SASKATCHEWAN

(J. D. McLEAN, *Warden*)

The daily average population during the year 1939-40 was 290, an increase of 14 over the year 1938-39.

The general health of the inmates of this institution has been excellent.

Farming operations this year are shown by the following summary:

Item	Acreage	Yield
Wheat	230	7,143 bushels
Oats	273	11,266 bushels
Barley	182	2,817 bushels
Hay	125	110 tons
Greenfeed	24	28 tons
Vegetables	50	Various

CASH STATEMENT—SUMMARY

Gaol operations (including administration)		$72,490.58
Maintenance of Buildings and operation of Power Plant		22,228.08
Gross Cost		$94,718.66
Less Revenue		10,700.20
Net Cost		$84,018.46
Average daily population	290	
Per capita cost per prisoner per day:		
Gaol operations	$ .685	
Buildings and Power Plant cost	.210	
Gross per capita cost	.895	
Less Revenue per capita	.101	
Net per capita cost	$ .794	

ANNUAL REPORT OF PRISONERS FOR YEAR ENDING MARCH 31, 1940

MALE

Month	Admitted Comm.	Admitted Sent.	Discharged Comm.	Discharged Sent.
April, 1939	10	65	9	111
May, 1939	22	96	20	89
June, 1939	31	111	25	118
July, 1939	27	89	33	93
August, 1939	24	92	24	73
September, 1939	26	71	27	85
October, 1939	38	126	35	101
November, 1939	35	129	38	85
December, 1939	31	124	31	137
January, 1940	30	117	32	70
February, 1940	34	97	31	100
March, 1940	30	83	25	97
	338	1,200	330	1,159

Total number of Male Prisoners admitted	1,804
Total number of Male Prisoners discharged	1,489

	Comm.	Sent.
Male Prisoners in Gaol as at March 31st, 1939	6	260
Male Prisoners admitted during year ending March 31st, 1940	338	1,200
TOTAL	344	1,460
Male Prisoners discharged during year ending March 31st, 1940	330	1,159
Total Male Prisoners in Gaol as at March 31st, 1940	14	301

Daily average Male Prisoners for year ending March 31st, 1940 ..... 261.78

DISCHARGES

Time expired	994	Deported	1
Fines paid	32	Transferred to R.C.M.P.	57
Paroled	55	Transferred to Hospital	6
Released for trial	295	Transferred to Prince Albert	13
Released Immigration authorities	3	Transferred to Ponoka	12
Released authority Dr. Orr	3	Conviction Quashed	1
Released authority Attorney-General's Department	2	Released by Judges order	1
Released as witnesses	4		1,489
Released on bail	10		

SENTENCES

Under 30 days	138	1 year to 2 years	111
30 days to 2 months	414	Indefinite	3
2 months to 3 months	108	Previously shown	42
3 months to 4 months	188		1,200
4 months to 6 months	67		
6 months to 9 months	87		
9 months to 1 year	42		

REMISSIONS

Receiving full remission	993
Receiving no remission	496
	1,489
Total remission earned	10,070
Number participating	993
Average earned per prisoner	10.14

COUNTRY OF BIRTH

Canada	697	Denmark	4
U.S.A.	68	Switzerland	3
England	40	Czecho-Slovakia	6
Scotland	39	Finland	6
Ireland	45	China	1
Wales	5	Hungary	5
Austria	53	Belgium	3
Poland	69	Yugoslavia	1
Russia	23	France	2
Germany	15	Bulgaria	1
Sweden	23	Argentine	1
Norway	33	Previously shown	42
Roumania	9		1,200
Ukraine	4		
Bohemia	1		
Holland	1		

AGES

Under 20 years	104	70 years and over	3
20 years to 30 years	372	Previously shown	42
30 years to 40 years	296		1,200
40 years to 50 years	226		
50 years to 60 years	121		
60 years to 70 years	36		

CRIMES

Against Religion and Morals	152
Against the Person	78
Against Public Law and Order	30
Against Property	413
Against any other Act	485
	1,158
Previously Sentenced, Out and Returned: From Witnessing	42
TOTAL	1,200

FEMALE

NUMBER OF FEMALE PRISONERS ADMITTED AND DISCHARGED DURING YEAR ENDING MARCH 31st, 1940

Month	Admitted Comm.	Admitted Sent.	Discharged Comm.	Discharged Sent.
April, 1939	3	10	5	8
May, 1939	5	13	7	8
June, 1939	6	17	6	21
July, 1939	5	14	5	16
August, 1939	7	11	7	10
September, 1939	5	12	5	16
October, 1939	11	23	11	11
November, 1939	5	24	4	16
December, 1939	2	16	4	29
January, 1940	4	21	2	16
February, 1940	11	20	13	10
March, 1940	6	10	3	17
	70	191	72	178

Total number of Female admitted		285
Total number of Females discharged		250
	Comm.	Sent.
Prisoners in Gaol as at March 31st, 1939	4	20
Admitted during year ending March 31st, 1940	70	191
TOTAL	74	211
Discharged during year ending March 31st, 1940	72	178
In Gaol at March 31st, 1940	2	33
Daily average for year ending March 31st, 1940	27.75	

PRISONERS DISCHARGED DURING THE YEAR ENDING MARCH 31st, 1940

Time expired	134	Transferred to Hospital	2
Released, fine paid	10	Transferred to Ponoka	3
Paroled	3	Released Immigration authorities	1
Released for trial	74	Released by Judge's order	1
Released authority Attorney-General's Department	1	Transferred to Child Welfare Department	1
Released authority Dr. Orr	10		
Released as witness	6		250
Released on bail	2		
Transferred to R.C.M.P.	2		
Receiving full remission			133
Receiving no remission			117
			250
Total remission earned			1,011
Number participating			133
Average per prisoner			7.6

SENTENCES

Under 30 days	10	1 year to 2 years	8
30 days to 2 months	65	Indefinite	7
2 months to 3 months	41	Previously shown	11
3 months to 4 months	30		
4 months to 6 months	4		191
6 months to 9 months	13		
9 months to 1 year	2		

COUNTRY OF BIRTH

Canada	136	Russia	1
U.S.A.	18	Ukraine	7
England	9	Italy	1
Scotland	1	Previously shown	11
France	2		
Austria	3		191
Poland	2		

AGES

Under 20 years	18	50 years to 60 years	5
20 years to 30 years	101	Previously shown	11
30 year s to 40 years	34		
40 years to 50 years	22		191

CRIMES

Against Religion and Morals	78
Against the Person	16
Against Public Law and Order	4
Against Property	17
Against any other Act	65
	180
Previously Sentenced, Out and Returned: Witness	11
TOTAL	191

PROVINCIAL GAOL, LETHBRIDGE

(H. HOLT, *Warden*)

The daily average population for the year ended March 31st, 1940, was 165.56 (including prisoners maintained outside the Gaol), a decrease of .22 under the previous year.

Necessary building operations and general improvements were made, including the construction of a new tractor shed and alterations to the Gaol kitchen.

FARM OPERATIONS

Item	Acreage	Yield	
Wheat	333	8,605½	bushels.
Oats	62	3,852	bushels.
Barley	75	1,064	bushels.
Mangels	5	50	tons.
Potatoes	39	65	tons.
Other Vegetables	12	69¼	tons.
Sugar Beets	17	249¾	tons.
Alfalfa Hay	198	416	tons.

CASH STATEMENT—SUMMARY

Gaol operation (including administration)		$59,493.37
Maintenance of Buildings and operation of Power Plants		18,188.73
Gross Cost		$77,682.10
Less Revenue		16,098.86
NET COST		$61,583.24
Average daily population		165.56
Per capita cost per prisoner per day:		
Gaol operation	$ .9845	
Buildings and Power Plant costs	.3010	
Gross per capita cost	$1.2855	
Less Revenue per capita	.2664	
NET PER CAPITA COST	$1.0191	

ANNUAL REPORT OF PRISONERS FOR THE YEAR ENDING MARCH 31st, 1940

Month	Daily Average	Admitted Sent.	Admitted Comm.	Admitted Rem.	Discharged Sent.	Discharged Comm.	Discharged Rem.
April, 1939	153.76	62	3	1	77	4	2
May, 1939	157.61	67	2	4	60	4	0
June, 1939	145.00	102	5	5	123	0	7
July, 1939	158.48	112	1	10	92	1	12
August, 1939	163.67	98	3	2	76	0	2
September, 1939	158.73	46	1	7	75	8	6
October, 1939	157.22	99	6	5	74	1	4
November, 1939	156.23	75	2	5	84	6	6
December, 1939	168.45	85	7	5	101	2	1
January, 1940	157.12	73	2	5	63	7	10
February, 1940	170.82	75	2	3	63	1	1
March, 1940	174.06	65	4	5	83	4	2
Monthly average	160.09	959	38	57	971	38	53

Total number of prisoners admitted during year 1939-40	1,054
Total number of prisoners discharged during 1939-40	1,062

	Sent.	Comm.	Rem.
Number of prisoners in Gaol on April 1st, 1939	159	3	1
Number of prisoners admitted during year 1939-40	959	38	57
TOTAL	1,118	41	58
Number of prisoners discharged during 1939-40	971	38	53
Number of prisoners in Gaol on March 31st, 1940	147	3	3
	1,118	41	58

Number of prisoners who have served previous sentences	653
Number of days remission earned during 1939-40	8,159
Number of prisoners participating	868
Number of days of remission per prisoner	9.39
Number of prisoners on Appeal	6

SENTENCES

Under 30 days	209	7 months to 9 months	11
30 days to 2 months	480	10 months to 1 year	34
3 months	88	13 months to 18 months	15
4 months	23	2 years less 1 day	6
5 months	5	Indefinite	9
6 months	63		
			943

Committed for trial	37	
Remanded	57	
		94
Sentenced to Prince Albert Penitentiary		14
		1,051
2 sentenced and 1 committed man already accounted for		3
		1,054

(The two sentenced men were returned from the Isolation Hospital, Lethbridge. The committed man was returned from the Mental Hospital, Ponoka.)

DISCHARGES

Completion of sentence	890	To Galt Hospital	5
Discharged to Court	86	To R.C.M.P.	1
To Prince Albert Penitentiary	6	By order of Gaol Surgeon	4
Deported	18	To Isolation Hospital	2
By order of Governor General	4	Conviction quashed	1
Ticket of Leave	16	By order of Lieut.-Governor	1
Fine and costs paid	12		
Order of Immigration Department	1		1,062
Released on bail	4		
To Ponoka Mental Hospital	11		

COUNTRY OF BIRTH

Canada	696	Italy	2
England	47	Jugoslavia	2
Ireland	28	Mexico	1
Scotland	51	Norway	17
Wales	8	Poland	13
India	2	Peru	2
Australia	1	Roumania	7
Newfoundland	3	Russia	11
South Africa	1	Sweden	8
New Zealand	1	Switzerland	2
Austria	15	Ukraine	3
Belgium	2	U.S.A.	77
Czechoslovakia	11	Unknown	2
China	1		
Denmark	2		1,051
Finland	7	Previously accounted for	3
Germany	8		
Holland	4	TOTAL	1,054
Hungary	16		

AGES

Under 20 years	119	Unknown ages	2
20 to 29 years	416		
30 to 39 years	236		1,051
40 to 49 years	170	Previously accounted for	3
50 to 59 years	83		
60 to 69 years	23		
70 years and over	2	TOTAL	1,054

CRIMES

Against Public Law and Order	13
Against administration of Law and Justice	11
Against Religion and Morals	269
Against the Person and Reputation	83
Against the Rights of Property	360
Wilful and Forbidden Acts	7
Offences relating to Bank notes, coin and counterfeit money	1
Attempts, Conspiracies—Accessories	5
Offences under Dominion Acts	156
Offences under Provincial Acts	144
Offences under Municipal By-Laws	2
	1,051
Previously accounted for	3
	1,054

Date Due
